

Marine Life Protection Act Initiative



SAT Evaluations of IPA Proposal North Central Coast Study Region

Presentation to the MLPA Science Advisory Team May 30, 2008 Presented by Dr. Steve Gaines



MLPA Goals: Populations

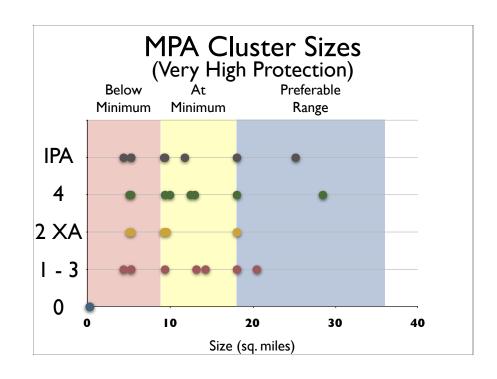
- To protect the natural diversity and function of marine ecosystems.
- To help sustain and restore marine life populations.
- To improve recreational, educational, and study opportunities in areas with minimal human disturbance.
- 4. To protect representative and unique **marine life habitats**.
- Clear objectives, effective management, adequate enforcement, sound science.
- 6. To ensure that MPAs are designed and managed as **a network**.

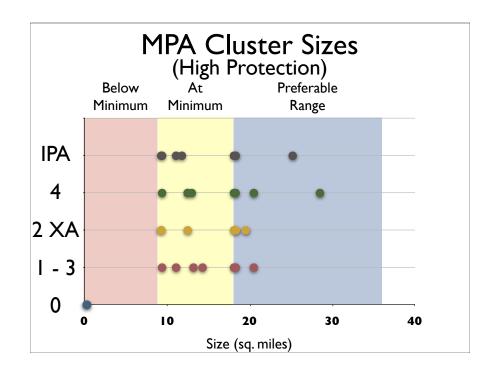


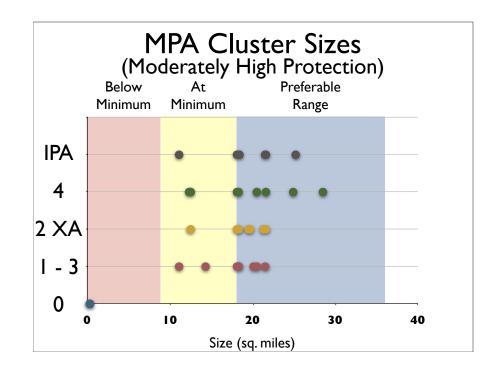


Size Analysis Methods

- Measure individual MPA lengths and area
- Combine contiguous MPAs into single MPA complexes
- Consider level of protection
- Tabulate MPA lengths and areas relative to minimum & preferred guidelines







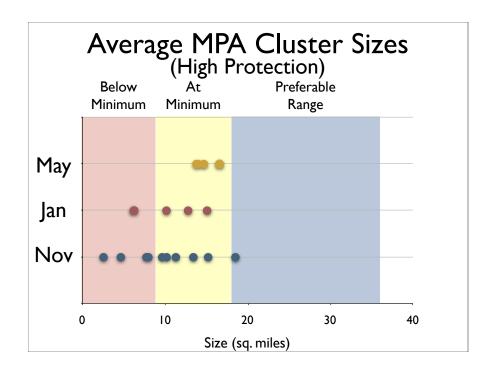


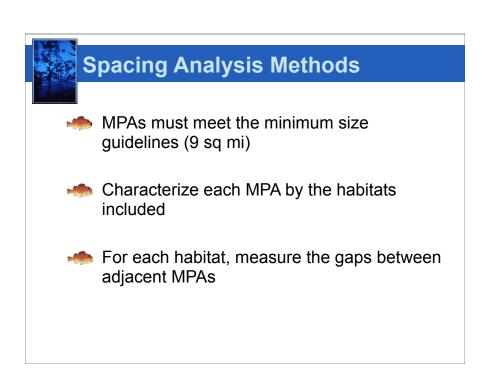
MPA Size Conclusions

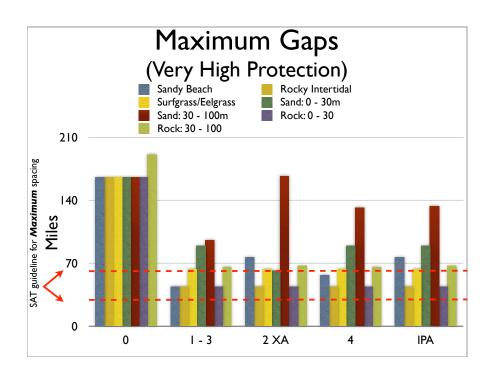
- Most MPAs meet minimum size guideline
- All MPAs meet minimum size for High/Mod High Protection in all proposals

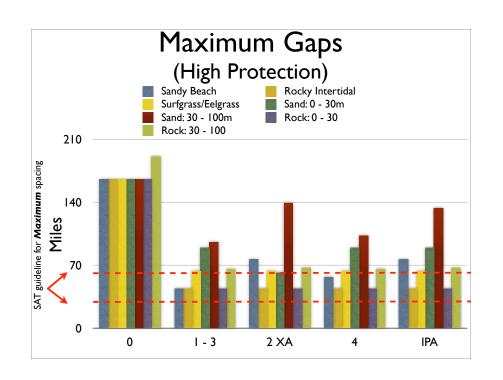
Avg	Very High	High	Mod High
MPA Size	Protection	Protection	Protection
1 - 3	12.2	14	17.7
2 XA	9.4	13.8	18.8
4	12.7	16.6	18.8*
IPA	11.9	14.7	19.2

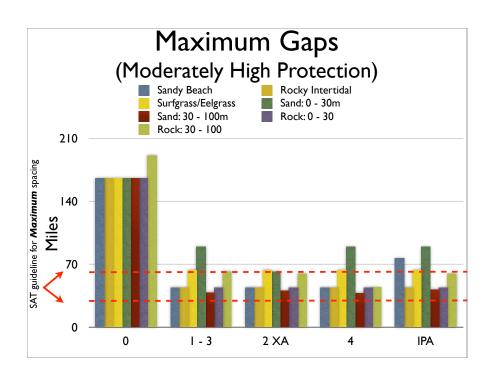
*Proposal 4 has two more MPA Clusters than other Proposals













MPA Spacing Conclusions

- All Proposals have gaps that exceed guidelines for two or three habitats at Very High and High Levels of Protection
- Large gaps are all in sandy habitats
- Proposal 2 XA meets guidelines for Moderately High Protection
- Proposals 1 3 and 4 have a single gap (Shallow Sand) that exceeds guidelines for Moderately High Protection
- Proposal IPA has two gaps (Shallow Sand & Sandy Beach) that exceed guidelines for Moderately HIgh Protection

